Master S

POWERFUL, EFFICIENT, VALUE

29.03.2024

KEMPPI

Designed for welders

Master S

POWERFUL, EFFICIENT, VALUE

Master S series MMA power sources are designed for high-performance professional welding, offering compact, robust and portable MMA power solutions with optimum energy efficiency. A perfect partner for heavy-duty MMA welding where the ease of use, reliability and durability are paramount.

The powerful 400 or 500 amp power sources provide reliable welding results with efficient ignition. Suitable for use with a wide voltage network, Master S also integrates Voltage Reduction Device (VRD) for increased safety at work.

KEY BENEFITS

EXTRA UTILITY

Use for high energy Stick (MMA), plus basic DC TIG or even MIG/ MAG (when connected to ArcFeed)

LESS IS MORE

Compact and light in weight, and still offering quality welding and efficiency

REMOTE CONTROL OPTION

When connected with a suitable Kemppi remote control, you can adjust the welding current at distance

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BENEFITS

- Hot start and arc force adjustment for optimised starts and arc control with alternative electrode types, guaranteeing flawless and stable weld pool control every time.
- Antifreeze cuts off the power and protects the electrode if sticking occurs during welding
- Contact ignition (Lift TIG) in DC TIG
- Arc gouging
- Parent power supply CC/CV for Kemppi voltage-sensing wire feed systems and in-line TIG solutions.
- Including cellulose welding characteristics

PRODUCT OPTIONS

Master S 400

Master S 400 is designed for high-performance Stick (MMA) welding. 400 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience.

Master S 500

Master S 500 is designed for high-performance Stick (MMA) welding. 500 A power source including cellulose welding characteristics provides great welding results with pleasurable welding experience.

Master S 400 AU

Master S 400 AU is designed for high-performance Stick (MMA) welding. In Australian and New Zealand models VRD is always active and complies with AS/NZS standards and mining regulations. VRD has reliable Fail to Safe functionality.

Master S 500 AU

Master S 500 AU is designed for high-performance Stick (MMA) welding. In Australian and New Zealand models VRD is always active and complies with AS/NZS standards and mining regulations. VRD has reliable Fail to Safe functionality.

ACCESSORIES

Welding cable 5 m 50 mm²

Earth return cable 50 mm², 10 m

10-meter earth return cable with 50 mm² cross-sectional area. The earth return cable completes the electrical circuit for welding. The cable is connected from the welding power source to the workpiece.

Earth return cable 70 mm², 5 m

Earth return cable 70 mm², 10 m

Remote control R10

Suitable for use with Kemppi MIG, TIG, and stick (MMA) welding equipment. Available in 5 m and 10 m.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.

Remote control R11T

Suitable for use with Kemppi MasterTig MLS, Master MLS, and Master S welding equipment.

Increase welding quality, work efficiency, comfort, and safety with appropriate, easy-to-use Kemppi remote controls.

Slide bars

Electrode holders

TECHNICAL SPECIFICATIONS

Master S 400

Product code	632140001
Connection voltage 3~ 50/60 Hz	380 - 440 V ±10%
Fuse (delayed)	25 A
Open circuit voltage in VRD mode	< 35 V
Output (TIG) 60% ED	400 A/26.0 V
Output (TIG) 100% ED	310 A/22.4 V
Output (MMA) 60% ED	400 A/36.0 V
Output (MMA) 100% ED	310 A/32.4 V
Open circuit voltage	80 – 95V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20…+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	20.5 kg
Degree of protection	IP23S

Master S 500

Product code	632150001
Connection voltage 3~ 50/60 Hz	380 - 440 V ±10%
Fuse (delayed)	35 A
Open circuit voltage in VRD mode	< 35 V
Output (TIG) 60% ED	500 A/30.0 V
Output (TIG) 100% ED	390 A/25.6 V
Output (MMA) 60% ED	500 A/40.0 V
Output (MMA) 100% ED	390 A/35.6 V
Open circuit voltage	80 – 95 V
Stick electrode sizes	1.6…7.0 mm
Operating temperature range	-20…+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	23.5 kg
Degree of protection	IP23S

Master S 400 AU

Product code	6321400AU
Connection voltage 3~ 50/60 Hz	380 - 440 V ±10%
Fuse (delayed)	25 A
Open circuit voltage in VRD mode	< 35V
Output (TIG) 60% ED	400 A/26.0 V
Output (TIG) 100% ED	310 A/22.4 V
Output (MMA) 60% ED	400 A/36.0 V
Output (MMA) 100% ED	310 A/32.4 V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20…+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	20.5 kg
Degree of protection	IP23S

Master S 500 AU

Product code	6321500AU
Connection voltage 3~ 50/60 Hz	380 - 440 V ±10%
Fuse (delayed)	35 A
Open circuit voltage in VRD mode	< 35V
Output (TIG) 60% ED	500 A/30 V
Output (TIG) 100% ED	390 A/25.6 V
Output (MMA) 60% ED	500 A/40 V
Output (MMA) 100% ED	390 A/35.6 V
Stick electrode sizes	1.6...6.0 mm
Operating temperature range	-20…+50 °C
External dimensions LxWxH	570 × 270 × 340 mm
Weight (no accessories)	23.5 kg
Degree of protection	IP23S

ACCESSORIES

Welding cable 5 m 50 mm²

Product code	6184501

Earth return cable 50 mm², 10 m

Product code	6184512

Earth return cable 70 mm², 5 m

Product code	6184711

Earth return cable 70 mm², 10 m

Product code	6184712

Remote control R10

Product code	R10, 5 m - 6185409 R10, 10 m - 618540901

Remote control R11T

Product code	6185442

Slide bars

Product code	SP007023

Electrode holders

Description	Electrode holders
Product code	Kemppi 300 – 9871021, Kemppi 400 – 9871031, Urania 5 – 9871041, Urania 6 – 9871051, Myking 200 – 9871060, Myking 450 – 9871070, Myking 600 – 9871080

WWW.KEMPPI.COM

Kemppi is the design leader in the arc welding industry. We are committed to boosting the quality and productivity of welding by continuous development of the welding arc and by working for a greener and more equal world. Kemppi supplies sustainable products, digital solutions, and services for professionals from industrial welding companies to single contractors. The usability and reliability of our products is our guiding principle. We operate with a highly skilled partner network covering over 70 countries to make its expertise locally available. Headquartered in Lahti, Finland, Kemppi employs close to 800 professionals in 16 countries and has a revenue of 195 MEUR in 2022.

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